



#8

PTO/SB/21 (05-03)

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	09/474,096	
	Filing Date	December 29, 1999	
	First Named Inventor	Amit. A. MERCHANT et al.	
	Art Unit	2154	
	Examiner Name	Larry D. Donaghue	
Total Number of Pages in This Submission	7	Attorney Docket Number	02207/5600

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Certificate under 37 CFR 3.73(b) and copies of Assignment and other documents in chain of title
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	KENYON & KENYON by Shawn W. O'Dowd, Reg. No. 34,687
Signature	<i>Shawn W. O'Dowd</i>
Date	8/14/03

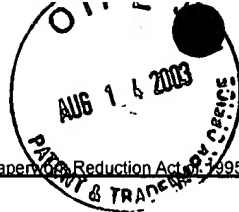
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**POWER OF ATTORNEY OR
AUTHORIZATION OF AGENT**

Application Number	09/474,096
Filing Date	December 29, 1999
First Named Inventor	Amit A. MERCHANT et al.
Art Unit	2154
Examiner Name	Larry D. Donaghue
Attorney Docket Number	02207/5600

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as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

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<input checked="" type="checkbox"/> Firm or Individual Name	Shawn W. O'Dowd				
Address	Kenyon & Kenyon				
Address	1500 K Street, N.W.				
City	Washington	State	DC	ZIP	20005
Country	USA				
Telephone	(202) 220-4255	Fax	(202) 220-4201		

I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.

Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

Name	Pam Matlock	Title	Secretary of Patents
Signature	<i>Pam Matlock</i>		
Date	Aug 12, 2003	Telephone	408/765-1144

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☒ *Total of one (1) forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Intel CorporationApplication No./Patent No.: 09/474,096Filed/Issue Date: December 29, 1999Entitled: PROCESSOR WITH A REPLAY SYSTEM THAT INCLUDES A REPLAY QUEUE FOR IMPROVED THROUGHPUT_____, a _____
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title, and interest

The extent (by percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel 010493, Frame 0761, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

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☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

August 12, 2003

Date

(408) 765-1144

Telephone Number

Pam Matlock

Signature

Pam Matlock

Typed or printed name

Secretary of Patents

Title

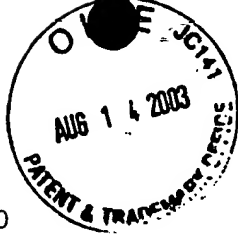
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APRIL 03, 2000

PTAS

ANTONELLI, TERRY, STOUT & KRAUS, LLP
R. EDWARD BRAKE
1300 NORTH SEVENTEENTH STREET
SUITE 1800
ARLINGTON, VA 22209



101248868A

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/29/1999

REEL/FRAME: 010493/0761
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
MERCHANT, AMIT A.

DOC DATE: 12/08/1999

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ASSIGNOR:
BOGGS, DARRELL D.

DOC DATE: 12/16/1999

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ASSIGNOR:
SAGER, DAVID J.

DOC DATE: 12/03/1999

ASSIGNEE:
INTEL CORPORATION
P. O. BOX 58119
220 MISSION COLLEGE BLVD.
SANTA CLARA, CALIFORNIA

SERIAL NUMBER: 09474096
PATENT NUMBER:

FILING DATE: 12/29/1999
ISSUE DATE:

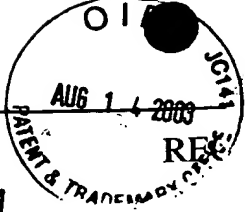
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010493/0761 PAGE 2

MAYA BENNETT, EXAMINER
ASSIGNMENT DIVISION
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01-21-1999



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Docket No. 219.37081XC

U.S. DEPARTMENT OF COMMERCE
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MRD 12.29.99

To the Honorable Commissioner of Patents

1. Name of conveying party(ies):

Amit A. Merchant, Darrell D. Boggs and David J. Sager

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: Dec. 8; Dec. 9, and Dec. 3, 1999,
respectively

2. Name and address of receiving party(ies):

Name: INTEL CORPORATION

Internal Address: P. O. Box 58119

Street Address: 220 Mission College Blvd.

City: Santa Clara Country: CA

Additional name(s) & address(es) attached? ☐ Yes ☒ No

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09/474096
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4. Application number(s) or patent number(s):

09/474096

If this document is being filed together with a new application, the execution date of the application is: Dec. 8, 9, and 3,
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A. Patent Application No.(s)

B. Patent No.(s)

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Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence
concerning document should be mailed:

Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP

Internal Address:

Street Address: 1300 North Seventeenth Street
Suite 1800

City: Arlington State: VA Zip: 22209

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)\$40.00

- ☒ Enclosed
☒ Any deficiencies may be charged to deposit account
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8. Deposit account number: 01-2135

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true
copy of the original document.*

R. Edward Brake

Name of Person Signing

Attorney Registration No. 37,784

Signature

December 29, 1999

Date

Total number of pages including cover sheet, attachments, and document: 2

PATENT

Attorney Docket No. 219.37081X00

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we hereby sell, assign, and transfer to Intel Corporation, a corporation of Delaware, having a principal place of business at 2200 Mission College Blvd., P.O. Box 58119, Santa Clara, California 95052-8119, ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent and is entitled **A PROCESSOR WITH A REPLAY SYSTEM THAT INCLUDES A REPLAY QUEUE FOR IMPROVED THROUGHPUT** and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:

Each Inventor: Please also list the date that you signed the accompanying
DECLARATION AND POWER OF ATTORNEY:

12/8/, 1999
Date

A. Merchant
Name: Amir A. Merchant

12/8/99

12/16/, 1999
Date

Darrell D. Boggs
Name: Darrell D. Boggs

12/9/99

12/3, 1999
Date

David J. Sager
Name: David J. Sager

12/3/99

Assignment Document Return Address:
ANTONELLI, TERREY, STOUT & KRAUS, LLP
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Arlington, Virginia 22209
(703) 312-6600